

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED OMB
No. 1004-0137 Expires:
December 31, 2024**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No. NMSF078769
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

LOGOS OPERATING, LLC

3a. Address

2010 AFTON PLACE
FARMINGTON, NM 87401

3b. Phone No. (include area code)

(505) 278-8720

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC 19 T31N R05W NENW (C) 965 FNL 480 FWL

7. If Unit of CA/Agreement, Name and/or No.

NMNM78407E

8. Well Name and No.

ROSA UNIT 649H

9. API Well No.

30-039-31410

10. Field and Pool or Exploratory Area
BASIN MANCOS

11. Country or Parish, State

RIO ARRIBA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Casing - Sidetrack	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

9/16 - 9/18/2023 - Skid rig from Rosa Unit 644H. NU BOP. PU Clean out BHA & 3000' of drillpipe. Ream through upper DV tool @ 4551' - 4645'. RIH, tag bridge plug @ 5,620'. Pump 70bbbls of OBM spacer & clean mud tanks. Condition mud & circulate. Drill-out bridge plug & cmt to 6159'. Circulate. Strap out of hole to verify depth. TIH, wash & ream. Drill cement to 6250'.

9/19 - 9/21/2023 - Drill cement to 6326'. Circulate. TOOH. PU & RIH w/whipstock to casing shoe @ 6226'. RU wireline & Gyro. RIH w/Gyro to 6278', orient and set Whipstock @ 170deg. POOH w/WL & RD. Top of whipstock @ 6285' - 6316'. Mill whipstock & 7' of new hole f/6285' t/6305'. Circ. TOOH. TIH w/curve assembly to 6280'. Drill 8.5" f/6305' t/7053'. Circ. POOH & C/O BHA.

9/22 - 9/28/2023 - PU BHA. TIH w/curve assembly to 6570'. Wash & ream f/6570' t/7053'. Drill 8.5" lateral f/7620' t/20,638' (TD). Circulate sweeps out of the hole. Circulate hole clean. SOOH laying down drill pipe to 15,189'. TOOH f/15,189' t/ BHA. L/D BHA.

9/29/2023 - RU casing tools. RIH w/5.5" casing to 17,570'.

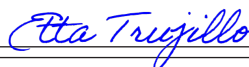
9/30/2023 - Continue to RIH w/459jts, 5.5" csg, 20.0#, HCP-110, TCBC-HT, landed @ 20,614', FC @ 20,529'. Toe sleeves @ 20,435' and 20,387. RD casing tools. Circulate. RU cementers. Mix & pump w/402sxs (123bbbls, 695cf) Premium Class G Lead cmt@ 12.8ppg, 1.73yld. Tailed w/2474sxs (700bbbls, 3934cf) 13.2ppg, 1.59yld. Dropped plug & displaced w/455bbbls FW. Bumped plug with 2100psi. Pressure tested 5.5" casing to 1600psi/30mins. Test good. RD cmt crew. L/D CRT tool. Set pack-off. Test seals to 10K psi. Good test. ND BOPE. RR to Rosa Unit 644H.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Etta Trujillo

Title Regulatory Specialist

Signature



Date 10/13/2023

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States

(Instructions on page 2)

any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 19 / NENW / 36.889673 / -107.405533	County or Parish/State: RIO ARRIBA / NM
Well Number: 649H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078769	Unit or CA Name: ROSA UNIT	Unit or CA Number: NMNM78407E
US Well Number: 3003931410	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2756389

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 10/13/2023	Time Sundry Submitted: 12:48
Date Operation Actually Began: 09/16/2023	

Actual Procedure: 9/16 - 9/18/2023 - Skid rig from Rosa Unit 644H. NU BOP. PU Clean out BHA & 3000' of drillpipe. Ream through upper DV tool @ 4551' - 4645'. RIH, tag bridge plug @ 5,620'. Pump 70bbls of OBM spacer & clean mud tanks. Condition mud & circulate. Drill-out bridge plug & cmt to 6159'. Circulate. Strap out of hole to verify depth. TIH, wash & ream. Drill cement to 6250'. 9/19 - 9/21/2023 - Drill cement to 6326'. Circulate. TOOH. PU & RIH w/whipstock to casing shoe @ 6226'. RU wireline & Gyro. RIH w/Gyro to 6278', orient and set Whipstock @ 170deg. POOH w/WL & RD. Top of whipstock @ 6285' - 6316'. Mill whipstock & 7' of new hole f/6285' t/6305'. Circ. TOOH. TIH w/curve assembly to 6280'. Drill 8.5" f/6305' t/7053'. Circ. POOH & C/O BHA. 9/22 - 9/28/2023 - PU BHA. TIH w/curve assembly to 6570'. Wash & ream f/6570' t/7053'. Drill 8.5" lateral f/7620' t/20,638' (TD). Circulate sweeps out of the hole. Circulate hole clean. SOOH laying down drill pipe to 15,189'. TOOH f/15,189' t/ BHA. L/D BHA. 9/29/2023 - RU casing tools. RIH w/5.5" casing to 17,570'. 9/30/2023 - Continue to RIH w/459jts, 5.5" csg, 20.0#, HCP-110, TCBC-HT, landed @ 20,614', FC @ 20,529'. Toe sleeves @ 20,435' and 20,387. RD casing tools. Circulate. RU cementers. Mix & pump w/402sxs (123bbls, 695cf) Premium Class G Lead cmt@ 12.8ppg, l .73yld. Tailed w/2474sxs (700bbls, 3934cf) 13.2ppg, 1.59yld. Dropped plug & displaced w/455bbls FW. Bumped plug with 2100psi. Pressure tested 5.5" casing to 1600psi/30mins. Test good. RD cmt crew. L/D CRT tool. Set packoff. Test seals to 10K psi. Good test. ND BOPE. RR to Rosa Unit 644H.

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Lease Number: NMSF078769	Unit or CA Name: ROSA UNIT	Unit or CA Number: NMNM78407E
US Well Number: 3003931410	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

SR Attachments

PActual Procedure

3160_5_Rosa_Unit_649H_PROD_ST1_Subsequent_Report_20230930_20231013124724.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ETTA TRUJILLO	Signed on: OCT 13, 2023 12:47 PM
Name: LOGOS OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 2010 AFTON PLACE	
City: Farmington	State: NM
Phone: (505) 324-4154	
Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 10/13/2023
Signature: Kenneth Rennick	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 275585

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 275585
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
nmurphy	None	10/16/2023